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NEW HIGH FREQUENCY PROBABLE COMMUNICATIONS ANTENNA IN CUBA

SECRET

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[redacted]

25X1A

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NEW HIGH FREQUENCY PROBABLE COMMUNICATIONS ANTENNA IN CUBA

1. A new high frequency (HF) probable communications antenna, the first of its type to be observed in Cuba, was 25X1D identified at Bauta International Radio Broadcasting and Transmitting Station, 14 nautical miles southwest of the center of Havana, on [redacted]

2. The antenna, which was still under construction, is of an unusual design and is probably of Soviet origin. It consisted 25X1D of a large self-supporting tower approximately [redacted] 25X1D [redacted] square at the base and [redacted] in height 25X1D (Figure 1). Eight broadband shunted dipole elements were positioned on each of two sides. One of the two sides is oriented 25X1D at [redacted] and the other at [redacted] The presence of at least six support braces lying on the ground and one being hoisted by a crane indicated that antennas would be mounted on one of the two remaining sides, probably the west (oriented at 25X1D [redacted].

3. Rigid dipole arrays of this type are unidirectional. The general application is HF broadcast or point-to-point communications.

25X1D

4. The construction of the antenna was begun sometime after 25X1D [redacted] The tower footings were first observed under construction in [redacted] Two of the dipole elements were 25X1D observed on the ground in [redacted]

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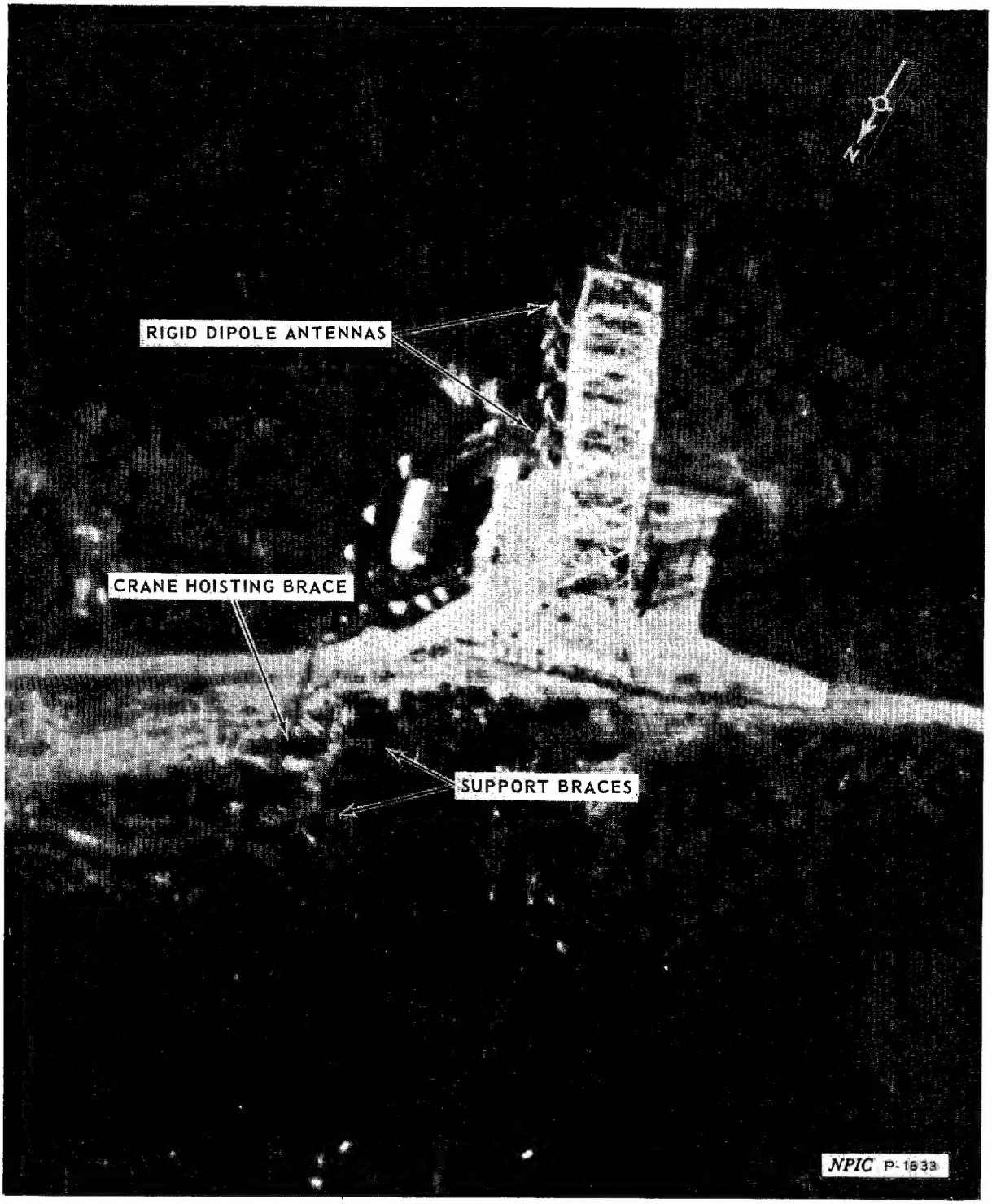

FIGURE 1. NEW HF PROBABLE COMMUNICATIONS ANTENNA, BAUTA INTERNATIONAL RADIO BROADCASTING AND TRANSMITTING STATION, CUBA